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#8/15/01

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :  
KAZUYUKI MURAKAMI ET AL : EXAMINER: VANOS  
SERIAL NO.: 09/559,073 :  
FILED: APRIL 27, 2000 : GROUP ART UNIT: 1754  
FOR: CARBONACEOUS MATERIAL, ITS PRODUCTION PROCESS  
AND ELECTRIC DOUBLE LAYER CAPACITOR EMPLOYING IT

DECLARATION UNDER 37 CFR 1.132

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

WASHINGTON, D.C. 20231

SIR:

Now comes Yasuo Sinozaki who deposes and states that:

1. I am one of the joint inventors of the above-identified application.
2. I am a graduate of Waseda University, Faculty of Resource and Metal Engineering, Department of Metal Engineering and received a Master degree in the year 1984.
3. I have been employed since 1984 by Asahi Glass Company, Limited, and engaged in research in aluminum alloys (1984-1986), in research in boride type heat resistant alloys (1987-1995), in research in tantalum electrolytic capacitors (1996-1997) and in research in activated carbon for electric double layer capacitors (1998-2001).
4. The following experiments were carried out by me or under my direct supervision and control.

Experiments and results

- (1) Using the same activated carbons used in Examples 1 and

2 of U.S. Patent 6,038,123 (activated carbons made from petroleum coke as a material and having the same specific surface area and Raman spectrum as in Table 1), the specific surface area and pore size distribution were measured in the same manner as in Examples of the present application. The results are shown in Table 1. As actual measurement results of the pore size distribution, a graph illustrating a pore size distribution of the activated carbon of Example 2 of the present invention and a graph illustrating a pore size distribution of the activated carbon of Example 1 of U.S. Patent 6,038,123 are shown in Figs. 1 and 2, respectively.

Table 1

	Amended Claim 1	Example 1 of US 6,038,1223	Example 2 of US 6,038,123
Specific surface area m <sup>2</sup> /g	1000-2500	983	833
Total pore volume cc/g	0.5-1.5	0.49	0.42
Volume of pores of 10-20 Å %	10-45	52	53
Volume of pores of 20-200 Å %	35-65	25	29
Volume of pores exceeding 200 Å %	Not more than 15	5	6

Fig.1

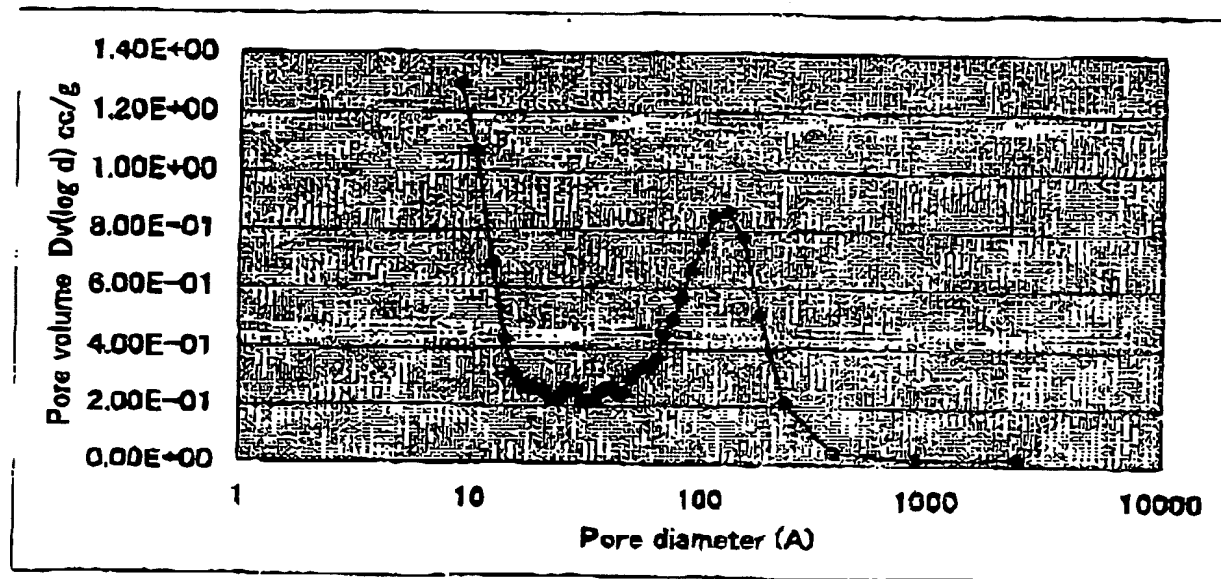
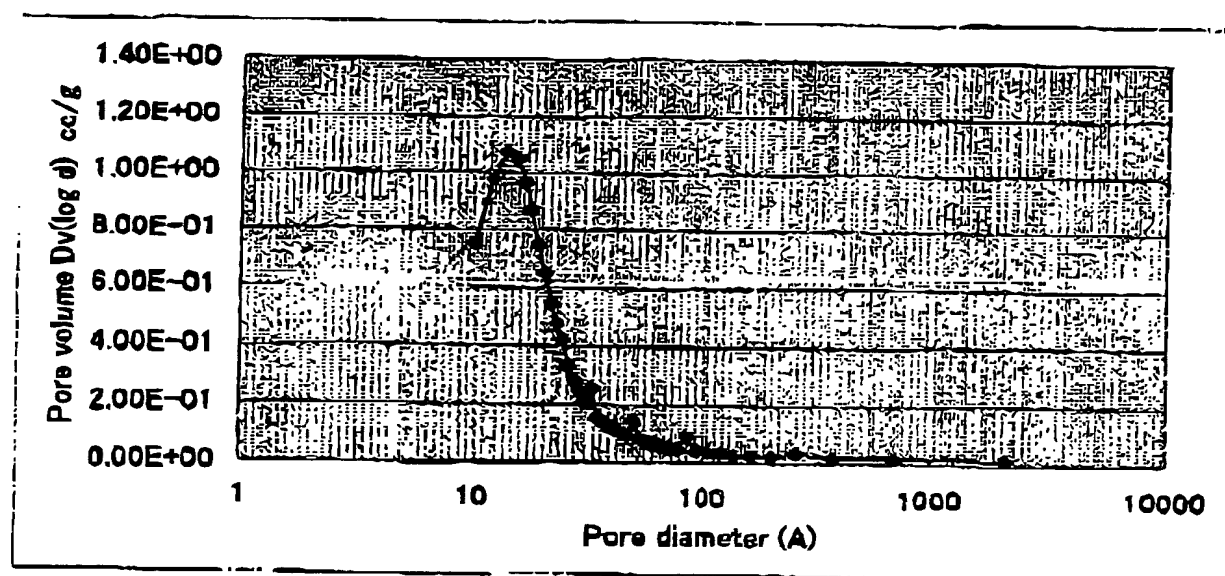


Fig.2



(2) Then, Raman spectrum of the activated carbon of Example 2 of the present invention was measured and  $I_g(A)/I_g(G)$  and  $I_d(G)/I_g(G)$  as defined in U.S. Patent 6,038,123 were obtained, whereupon they were 0.49 and 0.81, respectively. Accordingly, it was confirmed that the Raman spectrum is out of the range of the activated carbon as defined in US Patent 6,038,123.

5. The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

6. FURTHER DEPONENT SAITH NOT.

Yasuo Shinozaki

Signature (Yasuo Shinozaki)

September 19, 2001

Date